



**Danville**

INNOVATIVE DENTAL PRODUCTS

**2012-2013** PRODUCTS & TECHNIQUE CATALOG



**Danville**  
INNOVATIVE DENTAL PRODUCTS

3420 Fostoria Way, Suite A-200  
San Ramon, CA USA 94583  
(800) 827-7940  
(925) 973-0710  
Fax (925) 973-0764  
[www.danvillematerials.com](http://www.danvillematerials.com)



## A Brief History & Outlook

Danville, located in the San Francisco Bay Area, has been a leading manufacturer of dental products for over a quarter of a century. Having been first to design and commercialize the original MicroEtcher™, Danville is widely recognized as having introduced one of the most important devices used in dentistry.

Danville is known for designing and producing quality equipment and materials. Value pricing has always been a policy. The Danville Founders made a commitment: "If a product does not meet or exceed that of a competitor, it will not be sold under the Danville label".

Danville is an uncommon company. At a time when customer service seems to be rare, we recognize that good

customer service is an important reason for you to consider our products. We take pride in our products' reputation for durability. The main reason that our MicroEtchers and other equipment last so long is because they are initially well built. Danville remains strong and growing. With our ongoing service and a continuous parts supply, our products can remain in service for a very long time.

Danville is committed to continuing its long history of customer satisfaction with its high standards and newest innovations. In the unlikely event that our products do not meet your expectations, please contact us. We have an in-house dentist as well as engineers available to help find a solution.

**An ISO 13485:2007 Certified Company**

## Awards

Danville products continue to be acknowledged for clinical contribution and value. Due to the rotation of award announcements and the anticipated lifespan of this publication, we encourage you to visit the website of each of these evaluators, as well as checking our website at [www.danvillematerials.com](http://www.danvillematerials.com) to be advised of current status. Our highest satisfaction is acknowledgement from our customers, but to be recognized by these and other organizations is indeed, a great honor.





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*"In today's economy, it pays to have tools that allow creative solutions to a multitude of challenges: repairing crown margins, porcelain and composite fractures and those particularly challenging repairs of combination substrates like metal/composite or metal/porcelain. Danville Materials/Engineering has a product that has simplified the bonding world when those challenging situations present themselves. **Siljet®**, a simple abrasive that works in a chairside microetcher, makes bonding a breeze with whatever system is in one's armamentarium."*

*-Mike Nelson, DDS, Redding CA*

*"**Prelude®** offers superior bond strengths with the smallest standard deviation of materials tested."*

*-Dr. Larry Watanabe UCSF, Materials Science, San Francisco CA*

*"Minimally invasive dentistry is my favorite. Danville offers a variety of products from which I benefit daily. **Prepstart®**, **Prelude®**, **Dam Cool®**, **Accolade®** White Opaque/Superradioopaque and the **Contact Matrix®** Ultrathinflex - I love them all! I found out that **ABC Wedges®** are of a tremendous help for big composites. **Prelude** gives 100 pc no sensitivity and is my only adhesive for all direct and indirect reconstructions. Its thin layer is ideal for cementing Cerec's."*

*Dr. Horst Landenberger, Bad Soden, Germany*

*"When I sold my practice, one of three pieces of equipment I kept to take into semi-retirement with me was my **MicroEtcher®**. It did not go with the sale of the practice. I still want it."*

*-Paul Werner, DDS, Boca Raton FL*





# Conservative Dentistry

## With No Anesthesia!

Air Abrasion has proven to offer the greatest patient comfort and the most conservative treatment available. For clinicians who are performing small composite restorations or pit & fissure preps, nothing will add as much productivity to the practice!

### Most Conservative:

Air Abrasion easily creates preps less than half the width of the smallest burs. The air abrasion stream follows and cleans the fissures and grooves removing minimal healthy structure. Even the smallest 'fissure' bur is a huge intrusion by comparison. Unlike air abrasion, burs may create micro-fractures that can later propagate.

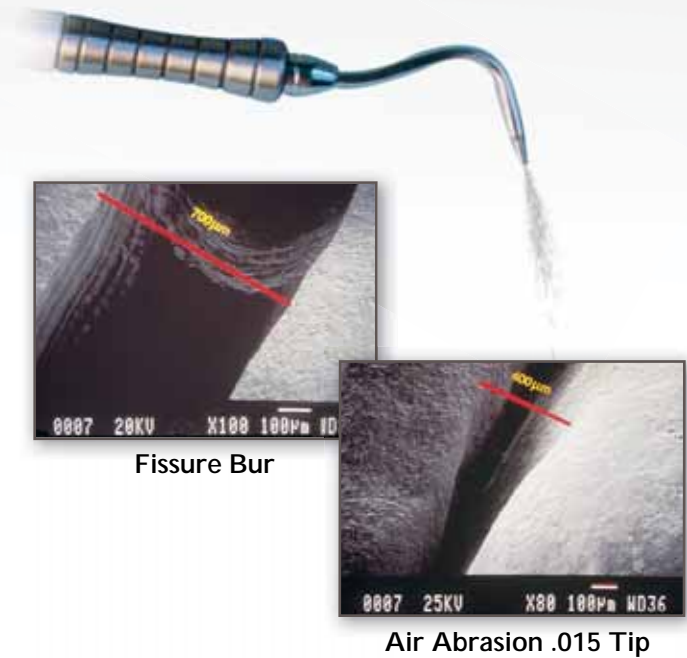
### Greatest Patient Comfort:

Treat without anesthesia! Treat without the whine of the drill! The stress to the patient and to you, is reduced greatly.

### Most Productive:

Treat upon diagnosis. Treat multiple quadrants within minutes. Save the time required to give the injection. With reduced air pressure, tough stains may be removed rapidly.

- Treat upon diagnosis
- Treat multiple quadrants in one visit
- Treat without anesthesia
- Diagnose lesions in darkened grooves
- Enhance DIAGNOdent\* accuracy
- Remove tough stains with ease



## Air Abrasion Applications

Small cavity prep,  
Class I through VI

Repair intraoral porcelain  
fractures

Prep conservative incipient  
lesion

Enhance bond to dentin  
& enamel

Prep pit & fissure

Remove tough stains

Clean darkened grooves

Etch all metal, composites &  
amalgam restorations

Remove debris from  
bur cut preps

Etch orthodontic  
brackets & bands



Class V Gingival Third of the Tooth



Tooth prepped using Air Abrasion  
and no anesthesia



Conservative restoration completed

\*Not a trademark of Danville Materials

# PREP START™

## Air Abrasion Cavity Prep Unit

//

*We recommend micro abrasion as an essential step in tooth preparation cleansing prior to cementation with any luting agent. The PrepStart is a unique product for this purpose because it can reduce the air pressure, powder flow, and minimize the mess."*

*-John Kois, DMD, MSD Prosthodontist, Founder/Director Kois Center, Seattle WA*

The PrepStart has received top ratings by all major reviewers and continues to be the overwhelming leader in air abrasion.

The crisp on/off control and easily set abrasive flow assures an even, precise cut. Multiple tip sizes allow rapid cutting at low pressures for maximum patient comfort. Adjustable pressure and powder flow allow settings from rapid cutting to stain removal.

PrepStart Kit Includes:

- PrepStart with foot pedal  
41/2 lbs (6.5"W x 5.5"H x 9"L)  
2kg (16.5cm W x 14cm H x 23cm L)
- Installation Kit
- Handpiece & Nozzle Kit  
2 Handpieces, .015 & .019 Tips
- Instructions & Technique Manual
- 1lb Aluminum Oxide 27 Micron

*All PrepStart units Include a 1 year warranty*

PrepStart Air Abrasion System  
Ref # 200259-00



# PREPAIR™

## Handheld Air Abrasion Unit

The PrepAir offers the most conservative treatment without anesthesia. Treat at diagnosis. Treat multiple quadrants in one appointment. The PrepAir offers an increase in productivity and patient comfort. Abrasion flow is steady and precise. Interchangeable nozzles rotate 360°. Uses 27 micron Aluminum Oxide. The unit is fully autoclavable.

PrepAir Kit Includes:

- Handpiece with nozzle & jar
- Includes 2 Tips: .019 x 45° & 80°
- Extra abrasive jar
- 5 Replacement pinch tubes
- Quick disconnect
- 9 foot airline
- Instruction manual
- 1 year warranty

PrepAir  
Ref # 200782







# PREPSTART H<sub>2</sub>O™

## Hydro Abrasion Cavity Prep Unit

The addition of a cone of water around the stream of abrasive gives this unit the additional benefit of containing the dispersion of powder during treatment. Cutting results continue to be optimal.

PrepStart H<sub>2</sub>O products offer a maximum of patient comfort with reduced need for injections, another practice building feature.

- Captures almost all dust
- Warm water increases patient comfort
- No water connection, water is self contained
- On-Off water switch
- Adjustable water flow
- Air connection only to PrepStart foot pedal line



PrepStart H<sub>2</sub>O Hydro Abrasion System  
Ref # 91747

## H<sub>2</sub>O™ Accessory

### Air Abrasion Cavity Prep Unit

To update an existing PrepStart unit, the H<sub>2</sub>O caddy accessory is available for easy conversion by our technicians or install simply in your office in approximately 5 minutes. Any PrepStart can now offer the benefits of hydro abrasion.

H<sub>2</sub>O Accessory includes:

- H<sub>2</sub>O installed on new PrepStart top cover
- Handpiece with .019 inch nozzle
- All tubing & connections
- Instruction manual

All PrepStart Units Include a 1 year warranty

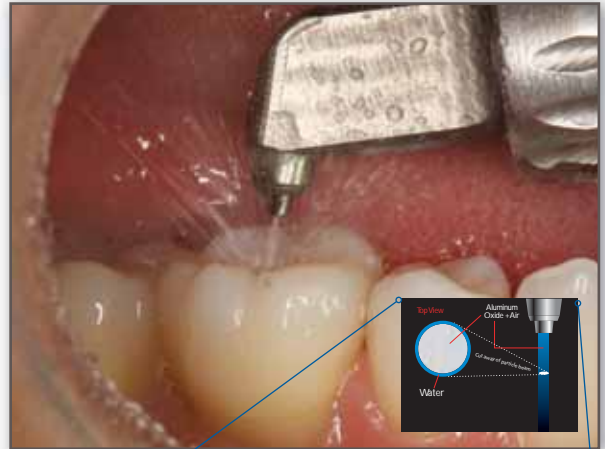


H<sub>2</sub>O Accessory  
Ref # 91913

# PrepStart™ H<sub>2</sub>O Technique



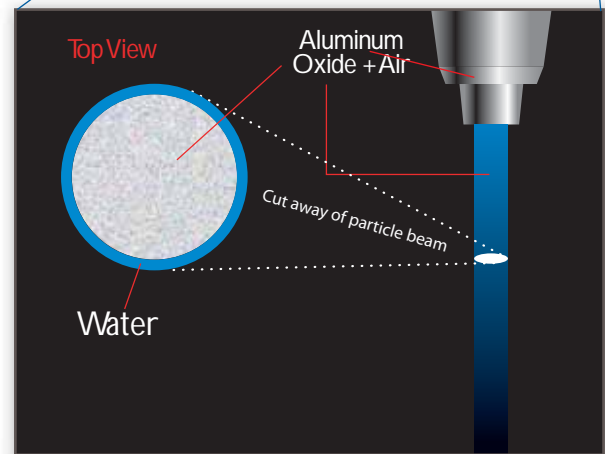
- 1** Patient presents a failed restoration with recurrent decay to DEJ caries, as confirmed by DIAGNOdent\*



- 2** PrepStart H<sub>2</sub>O is selected to create prep without using anesthesia.



- 3** Prep is created



Water spray surrounds aluminum oxide to control powder spray. Cutting action is not affected.



- 4** Composite shade A-I is used for final restoration.

Photos Courtesy of Dr. Gary Radz  
\*Not a trademark of Danville Materials







# Air Abrasion

## Nozzles & Accessories

### PrepStart™

All nozzles are high quality, precise, and fully autoclavable with carbide orifices for long life.



Nozzle Part Numbers				
Orifice Size	45°	80°	90°	120°
.015	28515	28528	28520	28521
.019	28519	28527	28530	28531
.026	28526	28529	28540	28541

### PrepStart™ H<sub>2</sub>O

Orifice Size .015 80°  
Ref # 91736-01

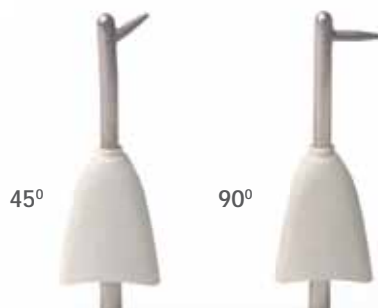
Orifice Size .019 80°  
Ref # 91736



### PrepAir™

All nozzles are fully autoclavable with carbide orifices for long life.

Nozzle Part Numbers		
Orifice size	45°	90°
.019	201777-00	201782-00



### PowerPlus™

### PrepStart Air Pressure Booster

Ideal for use where maximum compressor pressure is inadequate. Totally pneumatic, the **Power Plus** operates efficiently on an air source as low as 60 psi (4.1 bars). Pressure output is doubled up to 135 psi (9.3 bars). Operation is quiet. Styled to be an attractive addition to the PrepStart or PrepStart H<sub>2</sub>O.



Power Plus Air Booster  
Ref # 93383

## MicroEtcher™ IIA Intraoral Sandblaster

The MicroEtcher IIA is recognized as one of the most valuable tools for dentistry. The MicroEtcher provides precise surface micro-roughening, improving bond strength up to 400%. Surface area and surface reactivity is dramatically increased for maximum bond. Sandblasting is fast and easy with most surface roughening procedures requiring only a few seconds. It offers all stainless construction and replaceable carbide tip. Now with a permanently affixed jar lid and spill resistant abrasive filter.

Includes same features of the II plus:

- MicroEtcher IIA handpiece
- Fully Autoclavable
- 360° rotatable and removable nozzle
- Slim Profile nozzle offers better intraoral usability.



MicroEtcher IIA  
Ref # 22005-01

## MicroEtcher™ II Intraoral Sandblaster

All the performance and applications offered by the model IIA. Only the nozzle is autoclavable. All stainless construction. Replaceable carbide tip. Now with a permanently affixed jar lid and spill resistant abrasive filter.

Includes same features of the ERC plus:

- MicroEtcher II handpiece
- 360° rotatable and removable nozzle



MicroEtcher II  
Ref # 22000-03

## MicroEtcher™ ERC Laboratory Sandblaster

The economical MicroEtcher ERC model offers the same performance and durability as the MicroEtcher II and IIA. The nozzle may be rotated 180° in either direction but is not removable. The ERC can be cold sterilized but not autoclaved. It is not intended for intraoral use, and features stainless construction.

Includes:

- MicroEtcher ERC handpiece
- .048 carbide nozzle assembly
- 9' Airline
- 2 jars & o-ring kit
- Instruction Manual



MicroEtcher ERC  
Ref # 21000-03





# MicroEtcher™ CD

## Intraoral Sandblaster

The most valuable tool for dentistry is now even more versatile! A custom disconnect at the rear of the MicroEtcher CD, allows you to plug the unit directly into your KaVo\*, Sirona\*, Bien-Air\* or NSK\* handpiece connector. Get the same great performance and all the features of the MicroEtcher IIA.

Includes same features of the IIA plus::

- MicroEtcher CD handpiece
- Connects directly into Kavo\* or Sirona\* connectors



MicroEtcher CD  
Sirona\* Ref # 201935-00  
KaVo\* Ref # 201936-00  
BIEN-AIR\* Ref # 93825  
NSK\* Ref # 93855

## Optional Nozzles

### Sandblaster Nozzles

Interchangeable nozzles for the MicroEtcher II and IIA. New smaller .032" tip is ideal for intraoral applications (pit & fissure preps or porcelain repair) as it reduces the amount of dust and provides for a more focused pattern of abrasive.



II Nozzle  
.048 60°  
Ref # 201802-00



Pit & Fissure Nozzle  
.032 60°  
Ref # 186113



Slim Profile  
IIA Nozzle  
.048 60°  
Ref # 201865-00

## Sand Trap™

### Intraoral Dust Confinement

Soft plastic sphere slips onto high speed suction, and with the MicroEtcher tip inserted through the top opening, trap the abrasive.



Sand Traps  
15 pack  
Ref # 22006

# MicroEtcher Benefits

While sandblasting with a MicroEtcher has many benefits, it is unmatched in its ability to increase the surface area of a variety of materials. This offers the outstanding benefit of increasing bond strength without the need for etching with strong acids.

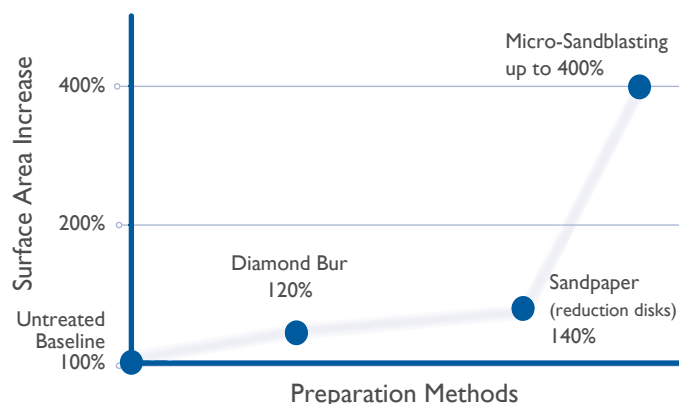
Typical Etching: Diamond bur abrasion on alloy



MicroEtcher abrasion on alloy



## MicroEtcher™ SEM's



## MicroEtcher Uses:

- Etching all metals, composites & amalgam for maximum bond strength
- Aiding in intraoral porcelain repair
- Prepping for pit & fissure restoration
- Cleaning dark grooves to reveal decay
- Prepping incipient lesions and minor Class I & V
- Debriding bur preps for best esthetics & bonds



Ideal for intraoral porcelain repair.



Removes cement rapidly from internal surface of crown & bridge prior to recementation. Use while relining and repairing dentures.



Dust is easily contained in one of the Danville cabinet units.





# Hook Up Guide

## MicroEtcher & MicroProphy Quick Disconnects

**Quick Disconnect Installation:** The MicroEtcher and MicroProphy are designed to operate over a pressure range of 50 to 120 psi (3.4 - 8.3 bars). Either can be installed using one of three options: a Quick Disconnect Kit, a Laboratory Quick Disconnect or a Handpiece Adapter. A review of the following information will help you decide which adapter is best suited to your needs. Higher pressures will lead to superior performance.

### Option 1

**Quick Disconnect Kit:** The Quick Disconnect Kit is designed to be used in the operatory for chairside sandblasting. The kit consists of a female disconnect, a tee which is spliced into the line coming from the compressor before the pressure regulator (i.e., junction box or cart), and a separate male connection. The male connection is installed on the end of the MicroEtcher tubing. A tee (with the female connection) may be installed in more than one operatory so that the MicroEtcher with its male disconnect may be used in each room.

### Option 2

**Lab Quick Disconnect Kit:** In the laboratory there is generally an air line with 80 - 100 psi (5.5 - 6.9 bars) pressure. If an air jet (stopcock) is present, the Lab Quick Disconnect with its female disconnect is designed to be permanently installed on it. The male disconnect is installed on the end of the MicroEtcher tubing. With a female Quick Disconnect installed in the lab, and also in the operatory, the MicroEtcher can be used in both places.

### Option 3

**Handpiece Adapter:** If there is an extra handpiece line in the operatory which can be adjusted to 50 psi or more (3.4 bars), the handpiece adapter can be installed on the end of the MicroEtcher tubing.

Air Source 50 - 120 Psi (3.5 - 8 Bars)	Description	Diagram
<b>Chairside</b> The barbed tee is installed directly in the incoming air line, either in the cart or in the junction box. Cut the air line to install the tee.	<b>Quick Disconnect Kit</b> Male & female with barbed tee for 1/4" air line.*  PN 44000  Male Only Quick Disconnect PN 44020	<b>Initial Hook Up Kit</b>   Female                      Barbed Tee   Male
<b>Chairside</b> As above.	<b>Female Only</b> Quick disconnect with barb tee for 1/4" air line.*  PN 44010	<b>Secondary Outlet Kits</b>   Female                      Barbed Tee
<b>Laboratory Stopcock</b> Slip tubing end over the stopcock.	<b>Female Only</b> Quick disconnect. PN 44017	 Female                      Slip Over Stopcock
<b>Laboratory Stopcock</b> Slip tubing end over the stopcock.	<b>Female &amp; Male</b> Quick disconnect.  PN 44007	 Female                      Slip Over Stopcock   Male
<b>Handpiece Line</b> Screw on the adapter. Adjust the air pressure.	<b>4-5 Hole Handpiece Adapter</b> PN 44075	 Screw on Outlet
<b>Handpiece Adapter</b> Kavo Style	<b>Kavo Adapter</b> PN 201431-00	 Screw on Outlet

\* Special hook up connections, i.e., tees, plastic and copper lines are also available. Contact our Customer Service Department for assistance.

# Not All Abrasives Are Equal

The final performance and result is greatly influenced by the abrasive selected. Danville only sells the highest quality medical grade alpha alumina. Particles are precisely sized and desiccated for an even flow and an efficient cut. Poorly graded abrasives can clog equipment or cause intermittent flow, due to the presence of oils, contaminants and even slight moisture content.

27 Micron 1 lb.  
Ref # 80042A

90 Micron 1 lb.  
Ref # 16101

90 Micron 1 lb.  
Ref # 15201

50 Micron 1 lb.  
Ref # 15301

SA-85 Micron 1 lb.  
Ref # 14001



Abrasive	Application	For Use In	Part No.
Aluminum Oxide (white)	Bonding & cavity prep. General use, metal, porcelain, acrylic, composites & metals.	PrepStart, PrepStart H <sub>2</sub> O	80042A (27 µm)
	Bonding & cavity prep. General use, metal, porcelain, acrylic, non-metal surfaces.	MicroEtcher PrepStart	15301 (50 µm)
Aluminum Oxide (tan)	Bonding prep. Metal surfaces only. Fast cement removal from crowns & brackets.	MicroEtcher	15201 (90 µm)
Glass Beads	Not for bonding prep. Creates satin luster on metal surfaces and removes plaque from dentures.	MicroEtcher	16101 (90 µm)
Microprophy B Sodium Bicarbonate	Sodium bicarbonate. Spearmint flavor, no surfactant. Prophylaxis cleaning.	All air polishers	17011 (90 µm)
Microprophy B+ Sodium Bicarbonate	Sodium bicarbonate. Spearmint flavor, with surfactant. Prophylaxis cleaning.	Microprophy only	17001 (90 µm)
Orthoprophyl SA-85 Soft Alumina	Resin removal. Remove orthodontic, pit and fissure resins, ceramic bracket cement, temporary cement.	MicroEtcher	14001 (85 µm)



## Dental Surface Silicating Powder for Cementation & Repair

SilJet System can be used to prepare most dental restorative surfaces for restoration or cementation. It can be used intraorally with a MicroEtcher for repair of ceramic, zirconia, alumina, composite, and metal surfaces. It is also ideal for preparation of the bonding surfaces of crowns/onlays/bridges for improved adhesion. Compares to CoJet\*

**Kit includes:** 40gm SilJet powder, 10ml S-Bond, 10ml E-Bond, 40 Microbrushes, 2gm each Accolade OP Mask Tooth and White shades and twenty 25-gauge tips.

Reorder Numbers:

SilJet Kit	Ref# 93577
3 (40gm) jars SilJet Powder	Ref# 93596
1 (10ml) bottle S-Bond	Ref# 89104
1 (10ml) bottle E-Bond	Ref# 89107
20 (25-gauge) tips	Ref# 90857
40 Microbrushes	Ref# 90180
2 (2gm) syringes of Accolade OP Mask (tooth/white)	Ref# 93597/93598



## Porcelain Repair Procedure Guide



Place a generous bevel on the remaining porcelain.



SilJet the fractured porcelain, exposed metal and ceramic layers. 40-45 psi air pressure is optimal.



Entire surface to be repaired should exhibit a silica coating.



Generous air spray is applied to blow off alumina particles. Silica will remain attached to the surface.



S-Bond silane primer is applied in a thin layer to all SilJet treated surfaces.



After 30 seconds dwell time, dry the silanated surface with a water free air stream.



Accolade OP Mask can now be applied directly from the syringe via needle in a very thin layer to block any grey or yellow metal that may be exposed. Light cure at a minimum of 600 mwatt for 30 seconds.



E-Bond is applied liberally over the entire repair surface. E-Bond is air thinned to assure an even layer.



The E-Bond layer is cured with a 600 mwatt minimum curing light for 10 seconds.



A paste type composite may now be applied to match the existing fractured porcelain. Finally, finish the restoration by polishing.

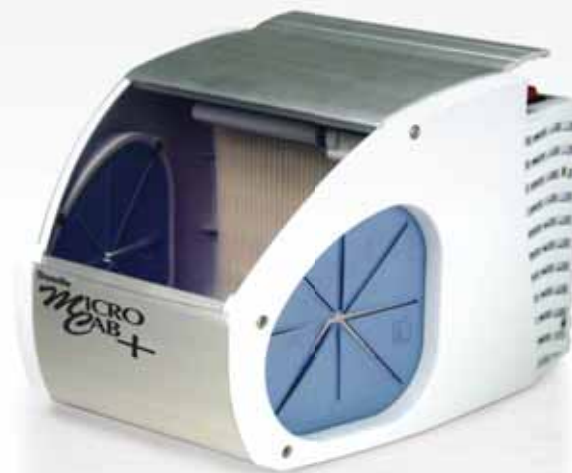
\*Not a Trademark of Danville





## Self-Contained Dust Cabinet

MicroCab+ is the most effective sandblast and grinding containment system available. Offering a large internal work space, the MicroCab+ still maintains a small footprint. Optional wall mount bracket makes the unit even more versatile without taking up valuable counter space. Custom ergonomic design offers integrated handle, bright LED light and quiet fan/filter. Inexpensive disposable windows easily changed. The MicroCab+ is a must have in any lab or operator. 120v DC or 220v DC.



MicroCab+  
Includes 5 windows  
6.2" (h) x 8.7" (w) x 10.5" (d)  
Ref # 91010 (120v)  
Ref # 91354 (220v)

Disposable windows  
Ref # 91286 10/pk  
Wall mount bracket  
Ref # 91350



MacroCab+  
7.7" (h) x 12.5" (w) x 10.5" (d)  
Ref # 91556 (120v)  
Ref # 91740 (220v)



## Self-Contained Dust Cabinet

Compact, yet larger, this unit offers an efficient and comfortable design where you only insert your fingers with handpiece to work. Bright LED lights provide ideal illumination. Featuring built-in dust collection/filtration system. It is easy to clean and the filter lasts for years. It is quiet, made of heavy gauge aluminum with an anodized finish. 120v DC or 220v DC.



Safety Shield (10 pack)  
MacroCab Ref # 201360  
MicroCab Ref # 201359

## Safety Shields

### Disposable Window Shields

Extend the life of your MacroCab or MicroCab+ window with disposable window shields. When placed under cabinets original window, these safety shields protect it from harsh abrasive.





## MicroProphy II™

### Air Abrasive Prophylaxis

No air polisher is more reliable or affordable. It removes superficial stains rapidly, even in areas a prophy cup won't reach. It cleans interproximally and around orthodontic fixtures and removes stains in darkened grooves to diagnose lesions and is ideal for pit & fissure preparation. Nozzle rotates 360° and is autoclavable.

- Use wet or dry
- Clean proximals & anatomy
- Remove stains
- Pit & Fissure prep



Increase bond to noble alloys  
About 1/3 the cost per application,  
compared to metal primers



MicroTin Kit  
Handpiece, 12mL Tin Solution, Crown  
Holder & Clip Plating Tips, Batteries.  
Tin Solution Refill 12mL.

Ref # 30150

Ref # 35110

Abrasive  
B+ Sodium Bicarb  
1 lb. (for MicroProphy)  
Ref # 17001

Sodium Bicarb  
1 lb. (for other units)  
Ref # 17011

MicroProphy II  
Ref # 201684-00



## MicroTin™

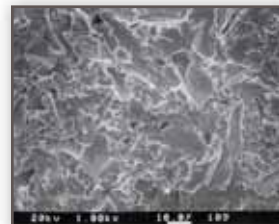
### Tin Electroplater

MicroTin increases resin to noble alloy bond up to 250%. Greatly enhances long term bond. Resins do not chemically bond well to non-reactive noble metals. MicroTin creates a 0.5 micron "priming" layer of tin crystals to enhance bond strength.

Tin Plated



Sandblasted



## C-SAW™

Inter-Proximal Reduction System  
& Inter-Proximal Finishing System

Danville's C-Saw system with patented GPS Separator is ideal for inter proximal reduction. In addition, natural contours are easily recreated. It provides rapid straight, safe proximal reduction. The full system includes an air-driven, high-torque reciprocating handpiece, diamond blades, diamond strips in a C-Saw frame and a unique GP Separator (proximal spreading clamp to allow easy blade insertion between the teeth and does double duty to protect the gingiva and tongue).

- Great for Invisalign,™ Essex, & similar aligners.
- Slenderizing reciprocal files
- Rapid enamel recontouring
- GPS Prevents injury to soft tissues
- Made in the USA



**5,000 RPM Motor & Reciprocating Contra Angle 1:1**  
Air drive motor provides high torque and resists stalling.  
Autoclavable.



### GPS Separator & Pliers

#### Glosso Papilla Separator

- Proximal Separation
- Protect papillae, tongue and lips
- Autoclavable
- Easy Application with custom pliers
- Can be used with anterior matrices

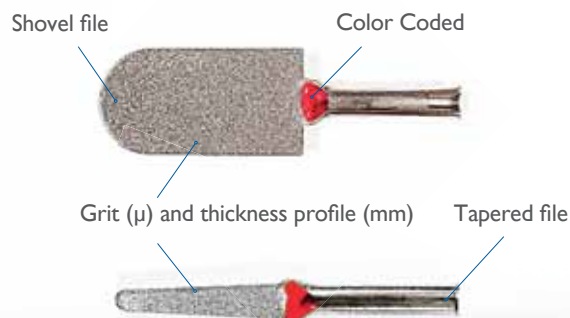
GPS Kit Ref # 93579 / GPS Ref # 93366 /  
Pliers Ref # 93760



### Files

- low cost and autoclavable
- Tapered & Shovel blades
- 4 Grits: reducing (120 grit), finishing (70 grit), pre-polish (40 grit) & polish (15 grit).
- Press fit file into place—no wrench required!

- 120μ, .46mm thick
- 70μ, .44mm thick
- 40μ, .33mm thick
- 15μ, .30mm thick



Files: Also available in refills Ref # 93365  
(Images are approx. 2x actual file size)

**Coming Soon!**

### Contact EZ PRO



Call for availability!







# Prelude™

## Self-Etch, Total Etch & Dual-Cure In One System

Independent tests confirm that Prelude has the very high 5 minute and 24 hour bond strengths. It also has the smallest standard deviation, proving Prelude to be very technique insensitive.

Prelude is extremely forgiving in the presence of moisture. Too wet, or too dry is not a concern. Its water/ethanol formulation tolerates an environment that would adversely affect other products.

The remarkably low 5 micron film thickness means restoration fit is not affected and it will not present a radiolucent layer. Bond strengths to cut and un-cut enamel are extremely high. It is ideal for Cerec\* and other cast systems.

- Use on dentin, cut & uncut enamel, porcelain, and composites.
- Light-Cure & Dual-Cure.
- Self-Etch & Total-Etch.
- Fast, simple application.
- Consistently exceptional results.
- Versatile
- Reproducible
- Strong
- Forgiving
- At 5μ it is ideal for Cerec\* and other indirect restorations.



**Prelude SE Self-Etch Kit** Ref # 90990  
Primer (5ml), Adhesive (5ml), Link (5ml),  
Mixing Wells (10), Microbrushes (40)

**Prelude TE Total-Etch Kit** Ref # 90994  
Adhesive (5ml), Link (5ml), MicroPrime (5ml),  
SureEtch (5gm), Mixing Wells (10), Microbrushes (40)

**Refills:**  
Prelude Primer/Adhesive 2/pk (5gm) Ref # 91024  
Prelude Prime (5gm) Ref # 90972  
Prelude Adhesive (5gm) Ref # 90974  
Prelude Link (5gm) Ref # 90976  
MicroPrime B (10ml) Ref # 87001  
MicroPrime G (10ml) Ref # 90814  
SureEtch Gel (5gm) Ref # 89463



### Prelude Primer (#1)

The primer is water based with a methacryl phosphate and hydrophilic monomer to condition the tooth prior to restoration.



### Prelude Adhesive (#2)

Adhesive used by itself, without the self-etching primer, serves as a superior total-etch adhesive when total etch technique is preferred. It compares to Optibond Solo Plus.\*



### Prelude Link (#3)

Link converts Prelude to dual-cure when needed for self/dual cure composites. Link makes Prelude ideal for posts and other indirect restorations.

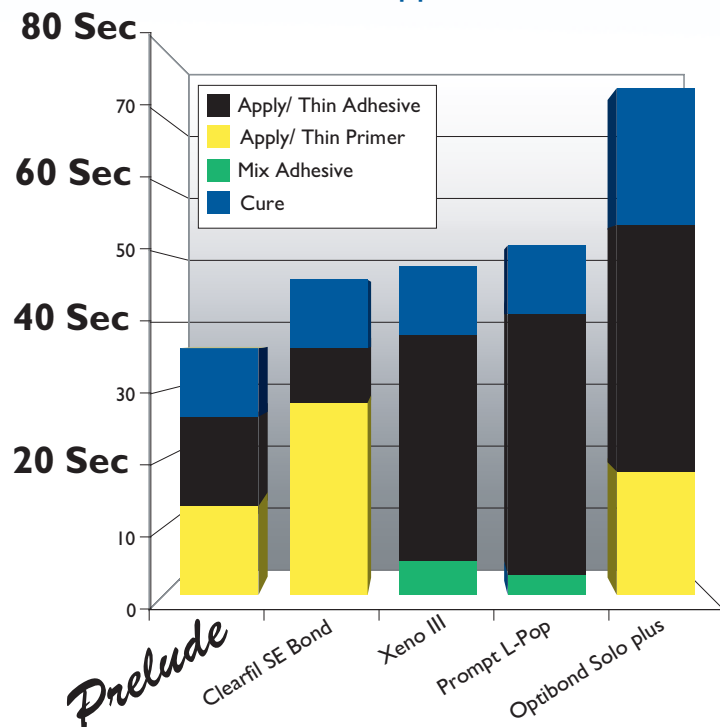
<sup>1</sup> Studies Available Upon Request

\*Not a Trademark of Danville

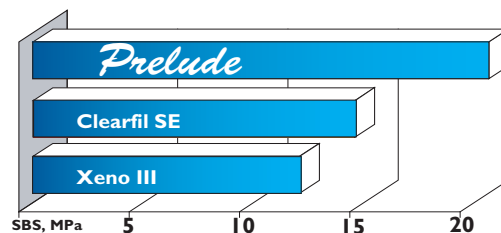
# Prelude™ Performance



## Fastest Application!<sup>1</sup>



## Shear Bond Strength on Dentin at 5min. in self-etch technique



OptiBond Solo Plus, Clearfil SE, Xeno III are NOT registered trademarks of Danville Materials.

Why would you risk this?...



...When you can be assured of this!



*Dr. Bertolotti's:*  
"Quest for the Best Bonding Agent"



or email for a copy:  
[info@daneng.com](mailto:info@daneng.com)

<sup>1</sup> Studies available upon request.






## Prelude™ Self-Etch Technique

**1**



For Anti-microbial protection MicroPrime B or G may be applied and dried. Apply Primer (#1) to enamel & dentin. Scrub for 10 seconds with a MicroBrush\*. Do not rinse.

**2**



Use an air syringe to gently evaporate the solvent. Surface need not remain shiny.

**3**




Apply Adhesive (#2) with a new MicroBrush\*. Scrub for 10 seconds.

**4**



Evaporate solvent with gentle air stream. Increase air pressure to thin Adhesive.

**5**



Light cure 10 seconds @ 800 mwatts. Apply composite.

**6**




For direct restorations: as the first increment, place 1/2 mm layer of flowable composite over entire floor and box form. Be sure to seal junction of band and box with flowable. Light cure.

For indirect restorations: Dab Dual/Self-Cure Link (#3) liberally onto Adhesive with a MicroBrush™. Evaporate solvent with air syringe. Apply self cure or dual cure composite to restoration (primed appropriately) and seat. *Warning: Dual/Self-Cure Link may shorten the working time of some self-cure and dual-cure composites.*


## Prelude™ Total-Etch Technique

**1**



Etch surface for 10 seconds with SureEtch phosphoric acid etchant. Do not scrub. Rinse well.

**2**



Do not blow dry. Blot excess water with a new MicroBrush\*, foam pellet or large paper point. For anti-microbial protection MicroPrime B or G can be applied and left damp.

**3**




Apply Adhesive (#2) with a new MicroBrush\*. Scrub for 10 seconds.

**4**



Evaporate solvent with gentle air stream. Increase air pressure to thin Adhesive.

**5**



Light cure 10 seconds @ 800 mwatts. Apply composite.

**6**



For direct restorations: as the first increment, place 1/2 mm layer of flowable composite over entire floor and box form. Be sure to seal junction of band and box with flowable. Light cure.

For indirect restorations: Dab Dual/Self-Cure Link (#3) liberally onto Adhesive with a MicroBrush™. Evaporate solvent with air syringe. Apply self cure or dual cure composite to restoration (primed appropriately) and seat. *Warning: Dual/Self-Cure Link may shorten the working time of some self-cure and dual-cure composites.*

\*Not a trademark of Danville Materials





## Single Bottle Primer

Z-Bond is a brush on single bottle primer for zirconia and alumina ceramics used prior to dental filling materials for direct restoration (repair) and cements for indirect restoration. While primarily for zirconia and alumina, the product also provides improved adhesion when used to prepare precious and non-precious metals. Z-Bond is contraindicated on lithium disilicates where silanes perform better.

- Adhesive intraoral repair of defects in zirconia and alumina restorations.
- Conditioning of zirconia and alumina restorations prior to cementation, e.g., crowns, inlays, onlays, etc.



1 (5ml) bottle Z-Bond

Ref# 93410



*Prelude* **one**™

## One Component Adhesive



1 (5ml) bottle PreludeOne Ref# 91653

Prelude One is a light-curable single component self-etch and self-prime adhesive designed to bond composite resins directly to dentin and enamel. It may also be used for intraoral repairs of properly prepared zirconia, alumina, metal and composite restorations. In conjunction with Danville's Prelude Dual/Self-Cure Link, it will bond dual-cure composites such as Rock Core and Starfill 2B.



# Accolade™

## Thixotropic Flowable Composite

Accolade flowable is highly thixotropic so it adapts readily but does not slump.

Ideal for all flowable composite applications including Class V and bonding veneers.

With a 0.7 micron filler, Accolade offers great esthetics, polishability and handling qualities. It's natural fluorescence prevents 'drop-out' in black light conditions. Fluoride slow release.

Accolade is ideal:

- As a base.
- For lingual splints: Place bead of composite over adhesive and arch wire then light cure. Fast, smooth attachment.
- For fiber splints: Place adhesive on tooth. Coat fiber with Accolade, syringe a bead over adhesive. Place fiber and light cure.
- When cementing light-transmitting brackets or cementing Invisalign® Attachments.
- Superb esthetics
- Excellent polishability



*Accolade  
available in 14 Vita® Shades!*

Shade	5gm	Shade	5gm
A-00op	90553	A-5	90554
A-0	90552	B-1	90550
A-1	90546	B-2	90555
A-2	90547	C-2	90556
A-3	90548	C-4	90557
A-3.5	90549	Dentin	90558
A-4	90840	Incisal	90551

## Accolade™ Technique



**1** Mirror view of prep.



**2** Place 1/2 mm of Accolade on floor and box of preparation. Seal junction of band and box with Accolade. Light Cure.



**3** Place universal or packable composite, sculpt and light cure.



**4** Final restoration after polish.

\*Not a trademark of Danville Materials

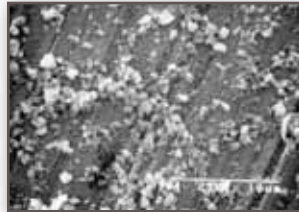
# Accolade SRO™

## Super Radiopaque Flowable Composite

With a radiopacity of 320% of aluminum (similar to titanium), radiographs were never easier to read! Recently confirmed by a leading clinical reviewer, **Accolade SRO** is among the most radiopaque flowable on the market, yet is value priced. As a 0.7 micron hybrid microfill, Accolade SRO also offers exceptional strength, esthetics and the polishability of StarFlow and Accolade.

- Superior radiopacity
- Superb esthetics
- Excellent polishability
- 0.7 micron fill
- Natural Fluorescence

Accolade SRO 0.7 micron fill



Others 3-4 micron fill



Shade	1gm	5gm
A-2	91415	91387
A-5	91416	91388
Extra Light	91417	91389
White Opaquer	93829	93830

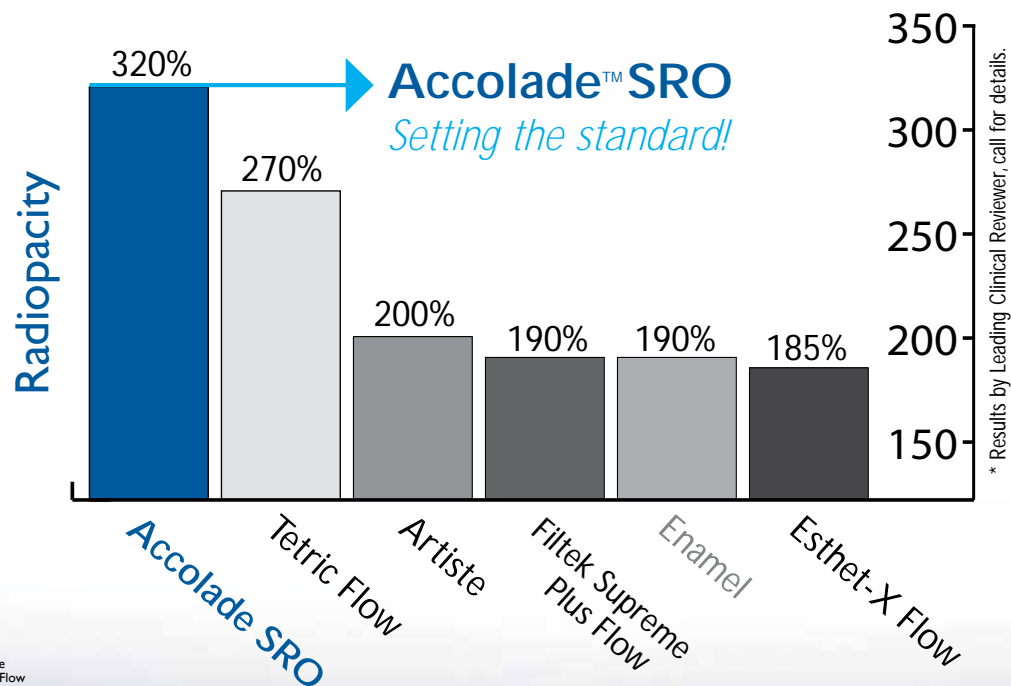


The advantage is clear!



Accolade SRO

Standard Composite



Esthet-X Flow, Filtek Supreme Plus Flow, Artiste, and Tetric Flow are NOT registered trademarks of Danville Materials.





# StarFlow™

## Flowable Composite

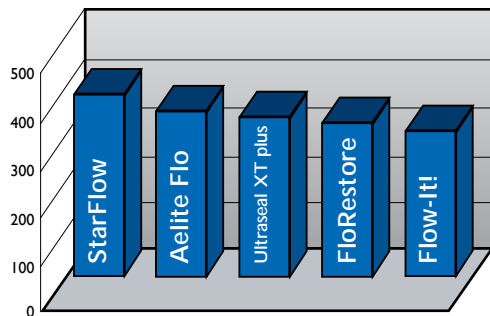
StarFlow's superior flow characteristics and esthetics make ideal results easy. Sub-micron particle size gives superior polishability and resistance to staining. A leading clinical reviewer showed StarFlow to have the highest compressive strength of any flowable composite. True Vita® shade match, radiopaque and non-sticky. It offers fluoride slow release and natural fluorescence. (For higher viscosity, we offer Accolade)

StarFlow uses:

- Conservative Restorations i.e. pit fissures
- Low wear applications
- Cavity Liner
- Refining TurboTemp. Ideal for use with all provisional composites



Compressive Strength of Flowable Resins



Individual Syringes					
Shade	1gm	5gm	Shade	1gm	5gm
A-00op	89465	89421	A-5	89471	85041
A-0	89466	89397	B-1	N/A	90471
A-1	89467	85051	B-2	89472	85055
A-2	89468	85052	C-2	89473	85056
A-3	89469	85053	C-4	89474	85057
A-3.5	89470	85054	Dentin	89476	85058
A-4	90749	90750	Incisal	89475	85059

# Aria™

## Microfill Flowable Composite

Aria's microfill formulation offers polishability and flexibility no hybrid can match! Ideal for facials and Class V. High translucency gives Aria "chameleon" qualities, necessitating only a limited number of shades. Aria seems to disappear into the surface making it an ideal companion to Accolade and StarFlow when less opacity is desired.

Starter Kit  
1gm of each shade &  
(20) 18 gauge tips  
Ref # 89355

Shade	1gm	5gm
A-1	89356	89360
A-2	89357	89361
A-3.5	89358	89362
Incisal	89359	89363



\* Not a trademark of Danville Materials







*"I am a user of the Contact matrix for ten years now and the [ABC Wedge](#) is the best invention since sectional matrices came up!"*

*-Michael Menges, DDS, Salach, Germany*

*"An ideal bite registration material exhibits qualities such as stack-ability, trim-ability, accuracy and firm and rapid set with just enough resiliency to flex away from undercuts without fracture. [Alpha Bite](#) leaves nothing on the wish list."*

*-Foroud Hakim, DDS, Vice Chair, Curriculum Director, Dept. of Restorative Dentistry, University of the Pacific*

*"The [ABC Wedge](#) is an easy inexpensive solution to a common problem. It's simple conservative and very practical."*

*-Mark Gottlieb, DDS  
Levittown, NY  
Dentistry Today CE Leader*

*"I recently purchased a [Prep Start H<sub>2</sub>O](#) and I love it! I have treated small class 1 and 2 lesions painlessly and without anesthesia. It is easy to control the instrument and conserves healthy tooth structure.*

*My patients are amazed by how easy and painless the procedures are. It is a small sacrifice to have a "gritty" feeling in their mouths. Unlike other air abrasion devices, the addition of the water curtain keeps the operatory environment relatively dust free. I also like it's relative small size. This device is a definite practice booster."*

*-Stephen Ginsberg, DDS, Mansfield MA*

# Posterior composites...

by converting a Class II into a Class I  
and “bite formed” into occlusion

*Raymond L. Bertolotti DDS*

1. After isolation, cut conservative prep (Fig. 1), using Caries Finder or Caries Detector to guide prep and caries removal. Stop at “pink haze” on the pulpal floor. (There is no pink haze on the axial walls.) Small bevels on the occlusal margin are generally desirable to remove loose enamel rods thereby preventing white line formation.

2. An optional but highly desirable step is to use air abrasion to clean and roughen the prep after caries removal. A MicroEtcher run at about 40 psi (2.8 bars) works well. The Prepstart also works well but be sure to greatly reduce pressure. (60 psi or 4 bars) (Fig. 2)

3. Apply Prelude Primer (#1) to dry or damp enamel and dentin for 10 sec. (Fig. 3) Take care to be sure that the occlusal margin remains wet with the liquid Primer. It is not necessary to light cure the primer since it's too thin to polymerize, due to oxygen inhibition. Thoroughly air dry (no wash).

4. Apply Prelude Adhesive (#2) with a clean Microbrush\*. Dry gently to rid the Adhesive of solvent. Light cure the Adhesive layer (light penetrates to cure the primer too). With a good light (800mwatts or more), 10 seconds should suffice.

5. Place sectional matrix. Wedge if the gingival margin needs to be closed. The Danville Contact Wedge can be used when there is a long tooth or a root concavity. (Fig. 4) It is best to invert wood wedges “apex down”, or use a round toothpick instead. When placed apex upward, the wedge distorts the contour and might even open the contact.

6. Add Contact Ring or MegaRing. (Fig. 5) The converging tines of the rings allow placement above the wedge with good retention and matrix adaptation. MegaRing gives strong separation and is springy, like nickel-titanium.

7. Apply a thin (less than 1 mm) coat of light cure flowable composite (Accolade SRO recommended) with needle tip to cervical margin only. Cure this layer. Then add more flowable composite to build a marginal ridge to full height. Cure increments as necessary, never exceeding 2 mm per increment. (Fig. 6)

\*Not a trademark of Danville Materials



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6





8. Place a thin layer of flowable composite to the pulpal floor (if none has overlapped onto it). Light cure again. Now add more flowable to the level of the enamel but not onto the enamel to void “coupling” the dentin and enamel, max 2 mm thick per increment. Light cure each increment fully.

9. Remove matrix. A MegaGrip forcep may come in handy here.

10. Remove rubber dam if used.

11. Mark occlusion (Fig. 7) and adjust the marginal ridge to allow full CO (Centric Occlusion) closure. (Fig. 8) You now have a class I cavity to fill!

12. Wash and dry prep. Optionally, place a layer of bonding agent to re-wet the prep and composite surface. Place light cure posterior composite (such as Heliomolar for best wear resistance, AP-X\* for best strength, Estelite Sigma\* for best esthetics and handling), slightly overfilling, taking care to insure all margins are covered. (Fig. 9) One increment will usually suffice to place the “enamel” layer.

13. Place a glycerine gel (Danville's blue Liquid Lens is ideal) on the occlusal surface of the composite. (Fig. 10)

14. Have patient bite into CO. While in CO, it is sometimes possible to trans-enamel cure from the buccal. (Fig 11) The bite form will establish the occlusion, leaving only flash of composite to remove. (You may use a “trial bite” before light cure to expedite flash removal.)

15. Have the patient open and light cure from occlusal. A “soft start” cure (150-200 on meter for at least 10 sec.) decreases stress in the composite. To decrease power density step back 1cm to reduce mwatts by 50%.

16. Finish and polish. I like Bisco's Raptor\* to add grooves, and Vivadent's Astropol \* to final polish. The restoration is now complete. (Fig. 12)



Figure 7



Figure 8



Figure 9



Figure 10



Figure 11



Figure 12

## Rock Core™

### Core Build-Up Composite

Rock Core stands with few other products as a staple of crown and bridge dentistry. It is a dual-cure composite with high compressive strength and cuts like dentin. It's white color makes it easy to differentiate from tooth structure. For anterior restorations shade A-2 is available.

Many dentists also use Rock Core as a luting agent for composite posts. It offers snap set with a light, or will self cure in five minutes. The thixotropic properties of Rock Core allow "stacking" without a matrix band facilitating a "mono blue" effect with post/core structures. It's 18 $\mu$  film thickness makes it an ideal cement in combination with Prelude.



Rock Core  
25ml Automix Cartridge

A-2 Shade  
Ref# 93831

White Shade  
Ref# 90838

Dispenser Gun  
Ref # 90130

## StarFill 2B™

### Dual-Cure Composite

StarFill 2B dual-cure flowable composite is ideal where composite is inaccessible to light. Dual-cure chemistry allows fast set with a light, or self-cures intraorally in approximately 2 1/2 minutes. Flowability allows easy adaptation. As a cavity liner, shrinkage occurs towards the tooth. Excellent for luting crowns, posts and opaque veneers where light-cure is questionable. In combination with air abrasion, crown margins can be repaired safely. Simply work Prelude Primer, Adhesive and Link into the open margin and inject into the prepared crevice. No light required under the margin.

- Radiopaque
- 0.7 micron fill
- Fluoride slow release
- Dentin shaded
- Cement post & restorations
- Ideal cavity liner
- 16 $\mu$  film thickness makes it ideal for crown cementation in conjunction with Prelude.

StarFill 2B  
10gm Automix Syringe & 6 Tips  
Ref # 90150



# ICE Light™

## Light Transmitting Composite Post

ICELight is the next generation of esthetic posts from Danville! ICELight features 70% fill of parallel glass fibers for exceptional strength. It's flexibility is close to dentin so stress is distributed, minimizing the risk of cervical fractures.

ICELight is light transmitting for use with light-cure as well as self/dual-cured composites and adhesives. Posts are also presilanated, making placement quick, and the radiopacity offers significant benefits.



ICElight Intro Kit  
20 assorted posts & 4 reamers  
Ref # 90080-01

Reamers match post sizes and provide ideal space for composite to vent.

1.0 mm	1.2 mm	1.4 mm	1.6 mm
90378-01	90380-01	90382-01	90384-01

1.0 mm	1.2 mm	1.4 mm	1.6 mm
90325	90327	90329	90331

ICEpost Intro Kit  
20 assorted posts & 4 reamers  
Ref # 90079-01



# ICE Post™

## Composite Post

The ICEpost offers the same benefits as the IceLight, except that it is not light transmitting. Four post sizes match corresponding reamers for ease of access and seating.

1.0 mm	1.2 mm	1.4 mm	1.6 mm
90082-01	90083-01	90088-01	90089-01

1.0 mm	1.2 mm	1.4 mm	1.6 mm
90325	90327	90329	90331



# Accolade™ PV

## Veneer Placement System

Accolade PV is a complete veneer application system designed by a major lecturer & clinician. Six shades included in the kit satisfy nearly all situations.

Accolade is highly thixotropic so it adapts readily but does not slump. Excellent polish and wear resistance. Now with natural fluorescence and 0.7 micron filler.

Revolutionary PV Try-In Composites are ultra slow set composites, eliminating the need for full removal. PV Try-In Composite provides a highly accurate shade. Excess Try-in composite is simply brushed off and the matching Accolade PV Composite is directly applied. Conventional water or glycerin based pastes are often not true to color and are a source of contamination and bond failure.

- Revolutionary Try-In Composite
- Developed by leading clinician
- Complete Kit with adhesive, silane & composite



Scan with smartphone to view Accolade PV technique guide.

PV Composite Refills		PV Try-In Composite Paste Refills	
Translucent 5gm	90560	Translucent 5gm	91233
Light 3gm	90561	Light 3gm	91234
Extra Light 3gm	90559	Extra Light 3gm	91235
White Opaquer 3gm	90562	White Opaquer 3gm	91236
Brown 3gm	91231	Brown 3gm	91237
Yellow 3gm	91232	Yellow 3gm	91238



Accolade PV Kit  
Ref # 91216



Before Veneers



Prep



Try-In



Completed veneers

## Veneer Kit

**Accolade PV Composite:** Translucent 5gms, Light 3gms, Extra Light 3gms, White Opaquer 3gms, Brown 3gms, & Yellow 3gms.

**Accolade Try-in Composites:** Translucent 5gms, Light 3gms, Extra Light 3gms, White Opaquer 3gms, Brown 3gms, & Yellow 3gms.

**Prelude SE bonding system:** Prelude Adhesive.

**SureEtch Gel:** 37% phosphoric etchant.

**S-Bond:** prehydrolyzed silane yields bond strength with superior stability.







# Accolade™ PV Try-In Composite Pastes

## A Simplified System For Bonding Porcelain Veneers

Raymond L. Bertolotti DDS

Over 25 years of clinical experience led the author to the following conclusions about porcelain veneers:

1. Most porcelain veneer bonding systems are needlessly complicated.
2. Most, if not all, try-in pastes are unacceptably off true color.
3. Water or glycerin based try-in pastes are a source of contamination, often leading to veneer failures.

With these points in mind, a new porcelain veneer bonding system was designed to be problem free. The system is known as Accolade PV, by Danville Materials.

First let's discuss try-in pastes. Most are water or glycerin based, not true to color of the composite resins that are subsequently used to bond the veneers. Accolade PV uses a patent pending composite try-in paste, with the same color as Accolade PV, but with a very long working time created by reducing the activity of the catalyst. After try-in, it is not necessary to completely remove the try-in composite. The polymerization activity of the final bonding composite will polymerize any remnants of the try-in composite. Thereby concerns 2 and 3 above are solved.

The author finds that Accolade PV Translucent shade will produce an acceptable veneer shade about 80% of the time. The most commonly needed shade to correct a try-in is a slightly opaqued white, Accolade PV Light. Occasionally an even lighter, more opaque shade is needed, called Extra Light. For an even whiter result, Accolade PV has a shade called White Opaque. It is usually too white and opaque to use by itself; instead it is used as a blending shade. In the unlikely event that darker is needed,

Danville offers Accolade PV Yellow and PV Brown, as well as dark Vita shades of Accolade.

With only 6 well-selected shades, Accolade PV solves the problem that most veneer systems are unnecessarily complicated.

Here is an illustration of a try-in on a dark tooth (figure 1), using Accolade PV. On tooth number 9, two Try-In Pastes are used simultaneously (figure 2). On the distal half is Accolade PV Light, the mesial is Accolade PV Translucent. The try-in is pictured in figure 3. The Light shade was selected, based on this try-in. The final veneer is pictured in figure 4. It produced an excellent shade match when bonded along with Accolade PV Light. The adhesive used was Danville's Prelude.



Figure 1 (before)



Figure 2



Figure 3 (try-in)



Figure 4 (after)

# TurboTemp™ 2 and 3

## Temporary Crown & Bridge Materials

Turbotemp 2 is one of the market leaders. The properties that make a temporary C & B material desirable are: esthetics, low shrinkage for a precise fit, low exothermal generation, high flexural strength, precise set time & minimal oxygen inhibition layer. Turbotemp 2 has excelled in all of these attributes. It is packaged in a 4:1 cartridge.

Turbotemp 3 is a further improvement with better physical properties than even Luxatemp®\* & Protemp®\*, yet is still about 30% less costly. Turbotemp 3 is in a 10:1 cartridge which aids in the superior physical properties. Guns for Turbotemp 2 can easily be converted to 10:1 with free interchangeable sliders from Danville.



TT2: Starter Kit: 76 gm Cartridge, 10 Mix Tips & Dispensing Gun

A-1	A-2	A-3	A-3.5	B-1
90343	90344	92965	90345	90632

TT3: Refills: 76 gm Cartridge & 10 Mix Tips

A-1	A-2	A-3	A-3.5	B-1
90156	90157	92964	90158	90631

TT3: Starter Kit: 76 gm Cartridge, 10 Mix Tips & Dispensing Gun

A-1	A-2	A-3	A-3.5	B-1	Bleach
93319	93320	93379	93321	93322	93592

TT3: Refills: 76 gm Cartridge & 10 Mix Tips

A-1	A-2	A-3	A-3.5	B-1	Bleach
93323	93324	93369	93325	93326	93591

### Product Comparison

	Turbo Temp 2	Turbo Temp 3	Luxatemp* Fluorescence	ProTemp* A-2
Working Time/ Set Time	55/95	55/90	65/95	40/80
Barcol 935 Hardness (30min/24hr)	79/93	78/94	79/94	70/91
Flexural Strength (Mpa)	79.4 (4)	81.2 (6)	87.4 (4)	80.6 (5)
Flexural Modulus (Mpa)	2560 (450)	2635 (410)	2600 (155)	2315 (195)
Diametral Strength (Mpa)	36 (6)	40 (1)	33 (4)	39 (6)
Compressive Strength (Mpa)	175 (4)	177 (13)	159 (18)	202 (7)

\* Not a trademark of Danville Materials





# Turbo Temp<sup>TM</sup> Technique

## Veneer Temporaries Made At Turbo Speed

*Danville's TurboTemp is especially attractive for anterior veneer temporaries due to its esthetic Vita colors and slight opacity.*

### Before the preps

Before preparing the teeth for veneers, make a preliminary impression in a vinyl polysiloxane (VPS) such as Danville's First Quarter Monophase. Monophase has the advantage of a very fast set time. The preferred impression tray is an anterior closed bite tray. Have the patient close into the impression before making the preps. (You may "recontour" the teeth with composite prior to taking this impression if you wish to build contour changes into your temporaries). Alginate impressions should be avoided since alginate will not match the accuracy of the VPS material, resulting in excessive finishing time. Should you need to replace the temporaries, alginate may not be usable.

### After the preps

After you have prepared the teeth and a final impression is completed, you are ready to make the temporaries. You have a choice to make: bonded or non-bonded temps. If retention form exists, then non-bonded temps are usually preferred. When inadequate retention exists, the temps must be bonded for adequate retention. In the illustration (fig 1), the teeth lack adequate retention so bonding will be used.

### Bonded temps

It's generally good to etch a spot on each tooth about 3mm in diameter on the facial surface, away from the incisal edge (fig 2). After washing and drying, apply a fairly thick bonding agent such as Danville's E-Bond to the etched area. Cure the spot of bonding agent (fig 3).

Inject TurboTemp into the prep areas of the preliminary impression, being sure to avoid bubble trapping (a needle tip helps). Have the patient close into the tray. Wait 3 minutes and then have the patient open. The TurboTemp will remain on the teeth (fig 4). Remove the gingival flash, preferably with Danville's Retract Instrument (fig 5). Light cure through the TurboTemp in order to attach the TurboTemp to the spot bond. Repair any bubbles with a flowable composite such as StarFlow. Polish the facial surface (fig 6). You are finished (fig 7).

If the temps are bonded, after removal of the temps it will be necessary to remove the spot of bond; a disc usually works well. If they are not bonded, fracturing off the TurboTemp completes removal.

### Non-bonded temps

Inject TurboTemp into the prep areas of the preliminary impression and place in the mouth. After 3 minutes, remove the impression. The TurboTemp will remain on the teeth. Do not remove the temps from the teeth but instead trim off the flash at the margins. A Retract instrument is a very handy way to cleave off the flash. (Move the Retract instrument up and down, parallel to the teeth.) To remove the temps, they will need to be slit with a rotary diamond and then wedged to fracture into two or more pieces. An option is to apply MicroPrime prior to forming the temporaries, as a desensitizer and antimicrobial.



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7

# VPS Impression Materials

Ideal Materials For Every Technique & Speed

Highest quality and value priced. Developed with the help of leading clinicians to make consistent, reliable, results easy! Wash materials are super-hydrophilic and give a high-gloss surface and high-tear strength. Precise setting time and snap-set. Placement in mouth triggers an accelerated set. Formulated from the highest quality polymers and fillers.



*3 Set Times*

**1 3/4**  
Minutes

## First Quarter Fast Set Impression Material

1 3/4 minutes set! First Quarter VPS is a super fast impression material great for smaller, Triple Tray\* type impressions.

**2 1/4**  
Minutes

## First Half Medium Set Impression Material

2 1/4 minutes set! First Half VPS is ideal for those that want speed, but need more time than is offered by the First Quarter series. New Orthodontic Monophase is ideal for single viscosity full arch impressions. Available in 50ml cartridges.

**4 1/2**  
Minutes

## Star VPS Regular Set Impression Material

Star VPS offers a variety of viscosities in the standard set times, leaving plenty of working time for multiple unit impressions!

\* Not a trademark of Danville Materials





*The  
ideal  
material  
for every  
technique  
and  
speed!*

## Triple Tray\*

Light Body is syringed around teeth and gingiva. The patient closes on a tray filled with Heavy body or Monophase.

Use: <b>First Quarter</b> Light Body & Monophase or Heavy Flex	<b>1<sup>3</sup>/<sub>4</sub>min</b>
<b>First Half</b> Light Body & Heavy Body	<b>2<sup>1</sup>/<sub>4</sub>min</b>
<b>Star VPS</b> Light Body & Heavy Body	<b>4<sup>1</sup>/<sub>2</sub>min</b>

## Dr. John Kois, full arch

Fill tray with Ultra Heavy and let stand. Syringe Ultra Light around teeth and on top of tray. Place tray until set.

Use: <b>Star VPS</b> Ultra Heavy & Ultra Light	<b>4<sup>1</sup>/<sub>2</sub>min</b>
--	--------------------------------------

## H & H, Dr. Jeff Hoos

Patient closes on Stiff Bite in Triple Tray. When patient opens, retain impression on opposing arch. A fast set wash material is placed in the impressions. The patient closes again, forcing the material hydraulically, under the gingiva, without cord, expelling fluids!

Use: <b>First Quarter</b> Light Body or	<b>1<sup>3</sup>/<sub>4</sub>min</b>
<b>First Half</b> Light Body	<b>2<sup>1</sup>/<sub>4</sub>min</b>
<b>Star VPS</b> Heavy Stiff Bite	<b>50sec</b>

## Putty/Tray, full arch

Putty is placed in tray and plastic wrap is placed on top. Place tray until partially set and then remove from mouth. Plastic wrap is removed after the putty is fully set. Light body material is syringed around the teeth and into tray, then the tray is placed in the mouth.

Use: <b>Star VPS</b> Putty & Light Body	<b>4<sup>1</sup>/<sub>2</sub>min</b>
---	--------------------------------------

## Temporary Veneers & Recreating Bite Anatomy

Syringe Clear Bite over tooth before prep (no tray). **Veneer:** After prep, syringe composite in impression and place. Squeeze out excess & light-cure through impression material. **Occlusal:** Place impression over composite, have patient close and cure through edges then through occlusal.

Use: <b>Star VPS</b> Clear Bite	<b>2<sup>1</sup>/<sub>4</sub>min</b>
---------------------------------	--------------------------------------

## Full Arch, two viscosity, simultaneous set

Light Body is syringed around teeth and gingiva. Place tray filled with Heavy Flex.

Use: <b>Star VPS</b> Light Body & Heavy Flex	<b>4<sup>1</sup>/<sub>2</sub>min</b>
--	--------------------------------------

## Provisional Impressions, single viscosity

Place quadrant tray filled with Monophase until set.

Use: <b>First Quarter</b> Monophase	<b>1<sup>3</sup>/<sub>4</sub>min</b>
-------------------------------------	--------------------------------------

## Orthodontic, full arch

Fill tray and place tray until set.

Use: <b>First Half</b> Monophase Ortho	<b>2<sup>1</sup>/<sub>4</sub>min</b>
<b>First Half</b> Monophase Ortho PM (for Pentamix)	<b>2<sup>1</sup>/<sub>4</sub>min</b>

\* Not a trademark of Danville Materials



First Quarter	Working Time	Total Time To Set	Durometer	Color	2 Pack	4 Pack	Econo 24 Pack	Super Econo 96 Pack
Light Body	<b>1/2</b> Minute	<b>3/4</b> Minutes	48		89277	89272	89462	90731
Monophase (Chocomint Flavor)			62		90901	90900	90902	90903
Monophase			62		89386	89387	80008-01	90729
Heavy Body			65		90913	90809	90810	90811

First Half	Working Time	Total Time To Set	Durometer	Color	2 Pack	4 Pack	Econo 24 Pack	Super Econo 96 Pack
Light Body	<b>1 1/4</b> Minutes	<b>2 1/4</b> Minutes	48		90467	90468	90469	90733
Light Body			48		91241	91242	91243	91244
Monophase Ortho			62		91122	91123	91124	91125
Heavy Flex			63		90648	90649	90650	90732
Putty-FS			73		93133	(2 400gm Tubs Base & Catalyst)		

Star VPS	Working Time	Total Time To Set	Durometer	Color	2 Pack	4 Pack	Econo 24 Pack	Super Econo 96 Pack
Ultra Light	<b>2 1/2</b> Minutes	<b>4 1/2</b> Minutes	48		N/A	80060-01	80061-01	N/A
Light Body			48		80021-01	80011-01	80009-01	90727
Heavy Flex			63		80023-01	80013-01	80007-01	90728
Ultra Heavy			65		N/A	80062-01	80065-01	N/A
Heavy Stiff Bite	20 Seconds	50 Seconds	90		80024-01	80014-01	80006-01	90730
Clear Bite	25 Seconds	2 Minutes	63		80025-01	80015-01	80037-01	N/A
Putty	90 Seconds	4 1/2 Minutes	65		80016	(2 400gm Tubs Base & Catalyst)		
AlphaBite	30 Seconds	60 Seconds	82		93352	N/A	93354	N/A
Noginate	90 Seconds	2 1/2 Minutes	45		93553	N/A	93554	N/A





## AlphaBite™ Bite Registration Material

AlphaBite is Danville's *NEW* bite registration material that is formulated to the specifications of Blu Mousse®¹. It has the same 'sturdy' properties, yet is more value priced. It is also easy to carve without breaking. AlphaBite is made from quality fillers and silicones. Work time: 30 sec., set time: 60 sec. Available in 50ml cartridges.



AlphaBite  
(2) 50ml + 6 tips  
Ref # 93352

(24) Econo Kit  
Ref # 93354

## Noginate™ VPS Alginate Substitute

Noginate is a value priced VPS material that may be used as an alginate substitute. Ideal for producing orthodontic models, study models, for creating mouth guards and bleaching trays. Unlike alginate, Noginate is very stable, has a high tear strength and may be sterilized. Noginate is so stable that it can be archived instead of heavy stone models. Work time: 90 sec., set time: 150 sec. Value priced, available in 50ml cartridges.

- Multiple pours
- Study models
- Archive impression instead of stone



Noginate  
(2) 50ml + 6 tips  
Ref # 93553

(24) Econo Kit  
Ref # 93554

¹Blu Mousse is a trademark of Parkell.

# Impression Material Accessories

Danville offers a variety of accessories to support more efficient impression taking techniques.

## 5<sup>th</sup> Hand™ The Ideal Retractor

(see page 42 for case study)

The 5<sup>th</sup> Hand has two paddles that widely displace the cheeks to allow ideal access for:

- Seating impression trays
- Gaining photographic access
- Placing sealants, varnishes & surgery aide
- Retraction from hamular process to hamular process, & lips.
- Retraction from retomolar pad to retomolar pad
- Holding mustache away from impression material & photos
- Reducing saliva by applying pressure to Stenson's Ducts



**4 Convenient Sizes**  
Intro Kit  
Ref # 91548

## DAM it™ Posterior Dam & Periphery Extension Membrane

(see page 42 for case study)

Easy to apply membrane is self-adhesive. Membrane actually incorporates into the impression material. Membrane is marked for alignment with the bottom of the tray. After Dam It is placed, three slits are cut to allow conforming to the patient.

- Capture second & third molars
- Prevent gagging! Never have material run down the patients' throat again!
- Allow tray side removal with flexible extension to accommodate dental & or lingual tori
- Ideal for all viscosities of all impression materials



Intro Kit Ref # 91544      Refill Kit Ref # 91620

## Tray Link™ A-Silicone Super Adhesive

Tray Link is an adhesive for disposable plastic impression trays based on polycarbonate. It assures reliable adhesion of addition curing vinyl silicone impression materials to disposable plastic impression trays and avoids lifting of the impression material from the tray while taking the impression out of the mouth.



Tray Link Adhesive  
Ref # 91667

## Occlusal Sweep™ Hydraulic VPS Spreader



Hydraulically distributes VPS over the entire occlusal, lingual & buccal. Impressions have never been easier! Place Occlusal Sweep over a standard automix tip and syringe VPS directly over the teeth. Skirts on the Occlusal Sweep force material into occlusal pits and over all sides of the teeth as well.

- Study models
- Orthodontic models
- Invisalign\*
- Partial denture impressions where undercuts & occlusal rest seats are critical
- Even distribution for implant transfer impressions



20pk  
Ref # 91550

## SnapShot! Tray™ Biodegradable Dual-Arch Tray

(see page 43 for instructions)

Introducing EnviroTray, the world's first biodegradable dual-arch tray. Now, in just one simple step, you can capture the prepared teeth, the opposing arch, the bite registration, as well as the facial midlines with one Earth-friendly device made from corn starch.

The SnapShot! Tray can be used without alignment sticks for single units, or with alignment sticks for multiple units. No more slanted crowns or veneers.

- It's rigid!
- It's economical!
- It's green!



Anterior Tray  
Ref # 93826

Posterior Tray  
Ref # 93827

\*Not a trademark of Danville Materials



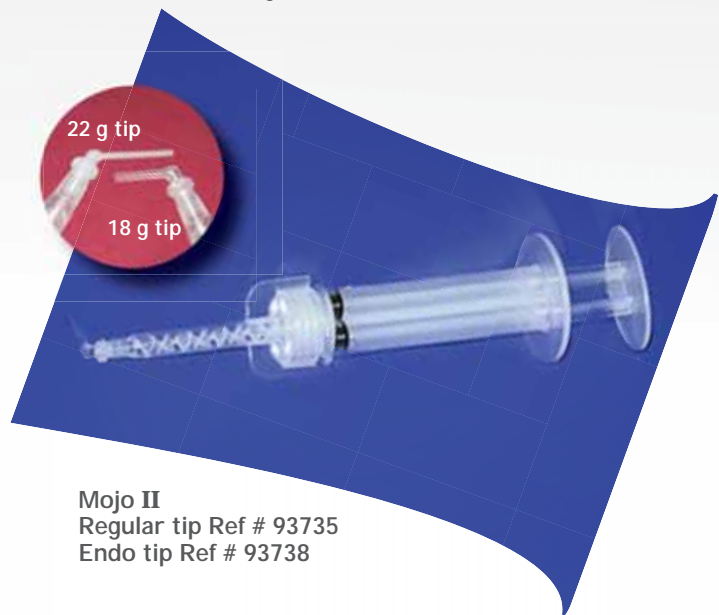


# MoJo™ II Syringe

## Single-Use, Disposable Syringe

The material wasted inside a standard mixing tip (1.6cc) is enough to do three crowns with our syringe. The small yet sensibly angled tip of our syringe gives you easy access even to the distals of second molars and allows the material to be applied right at the sulcus circumferentially, thus minimizing air bubbles and retakes. Avoid messy cleanups and save money.

- Simple 3-position, fill, store, activate.
- Less Waste
- 18g standard size intraoral tip as well as long 22g tip for endo posts and narrow interproximal spaces with VPS.
- Superb ergonomics for small hands.
- *Works with 1:1 Cartridge only*



## Technique

**NOTE: DO NOT REMOVE OR ROTATE TIP PRIOR TO FILLING!**



**1** The "load" position of the mixing tip has the tab in a notch as indicated by the arrow. The syringe comes assembled in this position.



**2** The cartridge whether 50, 75 or 25 ml is firmly butted into the barrels so that there is a tight fit at the base of the syringe.



**3** The VPS or core build-up materials is now injected to a level just short of the top of the barrels. A slow positive pressure allows materials at differing viscosities to self-equalize in the barrels.



**4** Allowing just enough empty space at the top to accommodate the plungers, the twin plungers are firmly seated into the rear of the syringe. Be careful not to push material into the mixing chamber.



**5** This photo shows the VPS material just at the mixing tip without entering it. The tab has been rotated 90° to the position above the "A" (chevron). Material can be stored in this position, the plunger will not extrude the material if it is inadvertently pushed.



**6** To "arm" or dispense the material, rotate the top until you hear an audible "click." The tip will now be rotated 90° from the "store" position to the ▲ (delta) position.



**7** The material now flows freely down the mixing elements assuring a well incorporated catalyst into base of the light body or monophase VPS. Core build-up also works well in this syringe.



**8** The unique design allows even the most delicate feminine hands to easily push the plunger. It's ergonomic, compact design assures comfort and accuracy.

# Impression Material Accessories Technique

## 5<sup>th</sup> Hand™ Retractor



- 1 After choosing the correct size of the 5th Hand for your patient, place the foam pads included in your 5th Hand kit, around retractor for more comfort.



- 2 Place retractor in patient's mouth, and pull gently outward to create space for the compression tray.



- 3 Place loaded impression tray in mouth. Once seated and before set, remove the 5th Hand by pulling it straight out.

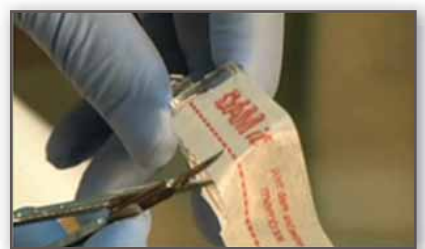
## Dam it!™ Membrane



- 1 Remove membrane from dispenser by pulling the printed membrane up and out.



- 2 Place self adhesive membrane around the posterior of the tray, being careful to keep the dotted line along the floor of the tray.



- 3 Cut slits in membrane at the opening. Fold and tuck the excess membrane against the impression tray.



- 4 For a quadrant tray, use one repeat, 1" to 2" of membrane on each side.



- 5 Fold the membrane against the tray for a water tight seal.



- 6 Cut or fold against the tray. After folding, load the tray, seat over teeth.



# Impression Material Accessories Technique

## SnapShot! Tray™



- 1 Separate alignment sticks from each other.



- 2 Assemble the cross, making sure the horizontal stick is snapped all the way down.

The hole of one alignment stick is oblong and will only fit on one end of the other stick. This makes assembly goof-proof



- 3 Assembled alignment sticks.

The assembled sticks look like this...



- 4a Fill both sides of tray with adhesive and polymer.

For best results, apply tray adhesive first. Then fill the tray with polymer, taking care to fill the retention tracks.



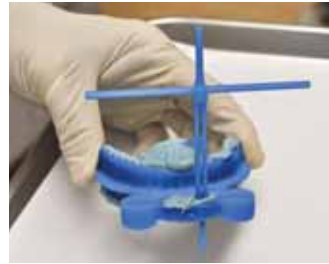
- 4b Fill the alignment stick area with polymer.

Fill this area with polymer to hold the alignment sticks. Afterward, you will remove the alignment sticks and the remaining hole will form a tight guide when the lab reinserts the sticks.



- 5 Insert assembled cross into polymer retaining area on handle and locate facial midlines.

After inserting the loaded tray into mouth, ask the patient to bite in centric and relax the lips. Immediately insert the cross into the hole in handle and locate the facial midlines.



Once located, seat the cross completely and hold it there until polymer is firm and wait for final set. Hint: use the pupils of the eyes as a guide for the horizontal midline and the bridge of the nose and philtrum as the vertical.



- 6 Remove the sticks.

Remove the sticks and send them along to the lab. After pouring up the casts, the sticks will be re-inserted securely into the hole in the tray handle thus allowing the lab tech to mark the facial midlines on the casts.



## Contact Matrix™ Sectional Matrix System

Contact Matrix makes tight contacts easy! Contact Matrices are contoured to restore the natural anatomy. Proximal finishing is greatly reduced or eliminated.

Mega Grip Forceps have strong serrated jaws for easy matrix removal.

Contact Matrices are unique in their resilience. Competitor's matrices often crush during placement. Contact Matrices are also available in a stiffer version for use with condensables and amalgam, or dead-soft like the competitors. All Contact Matrices have the ideal contour for a perfect restoration.



*Other brands crumple during placement!*



## MegaRings™ Sectional Matrix Rings

MegaRings make perfect, tight contacts even easier. They apply the greatest separating force and resist deformation to keep their strength. Application is easy as ever, with the same forceps. Design allows easy 'stacking'. Converging tines prevent 'pop-offs' and the widest tines in the market to span the widest preps. MegaRings are made of a unique, ultra 'springy' alloy. They also feature a graduated, higher profile towards the back of the ring, engineered to spread the force of bending over the entire arch of the ring.



Contact Ring Pliers  
Ref # 91298

Mega Grip  
Forceps  
Ref # 90486

Contact Rings Stack



Contact Rings and Mega Rings hold the matrices in place and cause the teeth to spread a part, creating tight, reliable contacts. The wide blades on the contact rings span wide preps where competitive brands fall in. Rings are also easily stacked for multiple proximals. Converging tines prevent pop-offs.

MegaRings  
2 Inward Rings  
2 Outward Rings (Gold)  
1 Inward & 1 Outward  
Ref # 91303  
Ref # 91304  
Ref # 91305

Contact Matrix  
MegaRing Trial Kit  
(1ea MegaRings, 50ea S/L Matrices)  
Ref # 91474

MegaRing Clinical Kit  
(3ea MegaRings, 100ea S/L Matrices)  
Ref # 91475

MegaRing Clinical Kit Plus  
(MegaRing Clinical Kit,  
Ring Pliers Plus & MegaGrip Forceps)  
Ref # 91476

Trial Kit (original rings)  
Contact Rings (1 inward & 1 Outward)  
Thin Flex Matrices (50 small & 50 Large)  
Ref # 90066

Clinical Kit (original rings)  
Contact Rings (3 inward & 3 outward)  
Thin Flex Matrices (100 small & 100 large)  
Ref # 89388

Clinical Kit Plus (original rings)  
1 Clinical Kit, Ring Pliers Plus &  
Mega Grip Forceps  
Ref # 89439





**ABC WEDGE**  
ABSOLUTE • BEST • CONTACTS

## Sectional Matrix System



The ABC Wedge™ makes restoring the wide open box or missing cusp easy when using sectional matrix or trimmed Tofflemire bands. It is all too frequent that large preexisting fillings with excessive decay and/or bruxism/clenching combine to result in fractured cusps. Previously, the only alternative was a Tofflemire band with the obtrusive retainer, frequently creating difficulty in restoring a tight, biomimetic contact and morphology.

ABCWedge Kit (192 Wedges) Ref # 93488  
X-Small (24R, 24L)  
Small (24R, 24L)  
Medium (24R, 24L)  
Large (24R, 24L)  
Mega Rings (2) Gold PN 91304  
Pliers (1) PN 91298

**SINGLE REFILLS (192 Wedges)**  
Large Right REF# 93771  
Large Left REF# 93810  
Medium Right REF# 93772  
Medium Left REF# 93811  
Small Right REF# 93773  
Small Left REF# 93812  
X-Small Right REF# 93774  
X-Small Left REF# 93813



**SINGLE REFILLS (192 Wedges)**  
Large (96 Left/Right) REF# 93589  
Medium (96 Left/Right) REF# 93588  
Small (96 Left/Right) REF# 93487  
X-Small (96 Left/Right) REF# 93486

0

### The Concept



Note that the opposing sides of the wedge are flat and the side toward band/tooth are biomimetically concave



The image shows how intimately the wedges "nest" into each other.



The red area illustrates the groove in receiving wedge matches and guides the tip of the counter wedge in red.

### CASE 1

1

#### ABC Wedge with sectional matrices



ML cusp missing. Distal box within normal limits.



Sectional matrices work well for MOL and DO requirements.



Both MegaRings provide separation and stability. Gold is the preferred ring for most situations.

### CASE 2

2

#### ABC Wedge with Tofflemire



Entire lingual aspect is fractured/decayed off. Tofflemire is the only option.



A full contour Tofflemire is shortened to eliminate buccal overlap.



Two gold MegaRings create separation and stability.

### CASE 3

3

#### ABC Wedge Clinical Case, DOL Composite



Failed Amalgam.



ABC Wedge supports the matrix.



Final restoration.



# Contact Wedge™

## Elastic Wedge System

Unique elastic wedges provide complete cervical adaptation and seal. Hard wedges provide force at only one point and can dent matrices.

Ideal for use with all sectional matrix systems! Placement is fast and easy with rubber dam forceps or ring pliers. Interproximal relief feature allows stretching to a very thin profile to 'floss' through tight contacts, yet rebounds back fully. Three color-coded heights are available

- Create ideal cervical seal
- Fast & easy to use
- Eliminate ledging



Contact Wedge Kit  
Small, Medium, & Large (85 each)  
Ref # 91015

Refills (85)  
Small Ref # 91016  
Medium Ref # 91017  
Large Ref # 91018

## Contact Matrix™ & Contact Wedge™ Technique



**1** Metal matrix placed interproximal of teeth to be restored



**2** The elastic wedge is held in place and achieves contour and separation as band wraps prepped area



**3** A MegaRing is placed against the matrix to secure contact and duplicate shape of the tooth to be restored



**4** Knotted floss is tied to the ring as a precaution against any problems associated with detachment



**5** Completed addition of the ring



**6** When necessary two MegaRings are easily placed to ensure proper clinical contact



**7** Restoration is complete with ideal adaptation achieved



**8** For super separation, two MegaRings may be applied simultaneously





# MicroPrime™

## Universal Desensitizing Agent

MicroPrime desensitizer eliminates post-op sensitivity and discomfort from cervical erosions. Proven HEMA formulation reliably plugs tubules. Compatible with all bonding systems, cements and amalgam.

MicroPrime is now available in two formulations: original MicroPrime B, proven effective for over 10 years and new MicroPrime G, which is an equivalent formula to Gluma\* (at a far lower price). MicroPrime G also serves as an ideal antimicrobial when used with self-etch adhesives.

### Uses:

- Before placing bonding agents
- Provisional restorations
- Amalgam & cemented restorations
- Cervical erosions

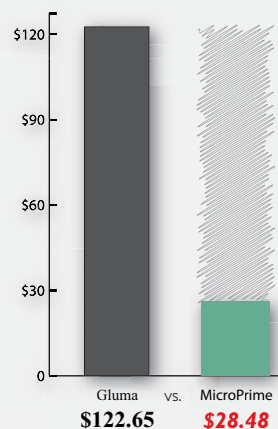


MicroPrime G  
Gluma\* equivalent formula, 35% HEMA, and 5% glutaraldehyde.  
10ml bottle  
Ref # 90814

MicroPrime B  
35% HEMA, .02% benzathonium chloride, and flouride. Gentle on the soft tissue.  
10ml bottle  
Ref # 87001



Price comparison  
based on 5ml bottle



**Why pay over 4X more  
for the same chemistry?**

\* Trademark of Heraeus Kulzer

# Caries Finder™

## Caries Disclosing Dye

Caries Finder Red 10ml bottle. Ref # 80010  
Ideal when using DIAGNOdent\*.

Caries Finder is a most discrete and penetrating caries detector. It will precisely identify residual caries. Prevent unnecessary pulpal intrusion and minimize tooth structure removal. Caries Finder will not stain healthy tooth structure.



Place drop of Caries Finder for 5 to 10 Sec.



Wash off excess, dry and remove stained area.



Caries Finder Green 10ml bottle. Ref # 80004  
Ideal when working close to the pulp chamber.



Caries Finder Red Syringable  
1gm & 3 tips  
Ref # 90764



# FlashBuster™

## Composite Fiber Bur

FlashBusters are a rotary instrument that will remove and polish residual composite with no damage to enamel or porcelain! It also does not damage gingiva. Trim composite from restorations. Remove residual orthodontic adhesive. Remove stains from difficult proximal and lingual areas. Latch-type, composite fiber burs. Autoclavable for reuse. Eight shapes are available. FlashBusters should be run at 5,000 to 10,000 RPM with water spray. Running FlashBusters dry will reveal remaining composite as dull spots.

- Self-sharpening
- Trim composite flash with no damage to enamel and porcelain
- Remove residual orthodontic adhesive
- Simplify periodontal root planning
- Remove stains
- Six per pack



Remove Composite Flash



Remove Stains



Photos Courtesy of Dr. Richard Young

### STANDARD

2501 Pointed Cone



2502 Flame



2503 Reversed Cone



2504 Cylinder Pointed



### JUMBO

4001 Reversed Cone



4002 Bullet



### PARO

2505 Flamed-Extended



2506 Flamed-Long



\* Not a trademark of Danville Materials





## **SureEtch™** 37% Phosphoric Etchant

SureEtch Gel stays put yet adapts instantly for a precise, consistent etch. Special additive allows fast wash-off. Blue tint for precise placement.

SureEtch Liquid provides a fast, reliable etch. One thin layer provides a maximum etch. Non-drying additive for easy wash-off. Red tint for easy identification.

20 Gauge  
(Orange Tip) Smaller



SureEtch Gel  
5ml (1 pack)  
Ref # 89463

SureEtch Liquid  
10ml bottle  
Ref # 85072

## **No Stick™** Instrument Lube

No Stick allows instruments to glide over composite without sticking. It does not reduce bond or composite strength.



No Stick  
10ml Bottle  
Ref # 90461

## **E-Bond™** Enamel Bonding Agent

E-Bond is a light-curable bonding agent for use on enamel, composite and etched silanated porcelain. Unfilled resin, with thin film thickness.



E-Bond  
10ml bottle  
Ref # 89107

## **S-Bond™** Prehydrolyzed Silane

S-Bond is a highly stable, prehydrolyzed silane. Provides full strength bond link to silica ceramics. Use on etched porcelain, and on composite posts.



S-Bond  
10ml bottle  
Ref # 89104



## Liquid Lens™

### Oxygen Barrier Gel

As a last layer over composite, Liquid Lens eliminates the air inhibited layer, insuring full composite surface hardness as well as reducing margin erosion. A light blue tint helps assure precise placement. The gel stays where it is placed, yet washes off easily.

- Full surface composite hardness
- Tinted for precise placement
- Easy wash off

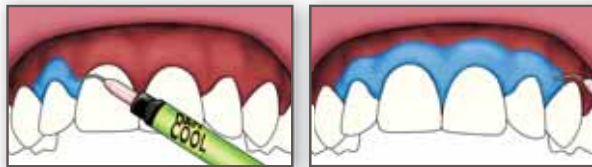


Liquid Lens  
5ml & 12 tips  
Ref # 87200



Dam Cool 3 cc & 12 tips  
Ref # 90752

### Protect Gingiva during bleaching and air abrasion



## Dam Cool™

### Composite Dental Dam

Dam Cool is a light-cured flowable composite dam material that remains cool when cured. Ideal for protecting gingiva during bleaching or air abrasion. Block out undercuts for taking impressions. Dam Cool provides a resilient, non-brittle barrier and is easily removed.

## Retract™

### Gingival Retractor

Retract is ideal for gingival retraction during Class V preparation. Retract offers left and right hand blades with blunted points to prevent gingival injury.

Two blade widths are offered, standard and large. The large size is also ideal for retracting and shielding during Class V air abrasion. Retract is made of surgical stainless and is fully autoclavable.

- Retract & shield gingiva
- Sculpt composite
- Remove Turbo Temp flash



Small Ref # 89445



Large Ref # 89448



*"When I pair **Star VPS** with a **Mojo** syringe I am in complete control of my impressions 100% of the time."*

*-Parag R. Kachalia, DDS, Assistant Professor of Restorative Dentistry, Director of New Technologies, University of the Pacific School of Dentistry*

*"I have used my **PrepStart** every single day for over 10 years. Whether it's used to prep small cavities, bevel the enamel on an anterior tooth (the composite esthetically melts into place), or merely sandblasting the internal of the crown, I would not be able to provide quality dentistry without it. Now with the **H<sub>2</sub>O accessory**, it's even easier to use—dust free and so much more useful!"*

*-Cynthia Brattesani, DDS,  
San Francisco CA*

*"It's all about the **5th Hand**! No impression is easy, but the 5th Hand makes an impossible one a manageable one. I know that there have been times when I couldn't have made my impression without the 5th Hand!"*

*-Brian A. Houston, DDS, A P.C.,  
Benicia CA*

*"I thought I was really good at taking impressions. My success rate was close to 90%. With the **Mojo** I'm now over 95% successful. The patient is happy, the assistant has more free time, and I'm saving chair time and fewer remakes."*

*-Mark Gottlieb, DDS  
Levittown, NY  
Dentistry Today CE Leader*







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